

IN THE CLAIMS:

Please amend claims 4-7, 15, and 34-39 as follows:

1-3. (Cancelled)

4. (Currently Amended) A transgenic rice plant in which have been introduced sense orientation: (1) a P5CS gene of rice containing the sequence according to SEQ ID NO. 1, or a P5CS gene of *Arabidopsis thaliana* containing the sequence according to SEQ ID NO. 2, and then (2) the antisense gene of a ProDH gene of *Arabidopsis thaliana* containing the sequence according to SEQ ID NO. 3.
5. (Currently Amended) A transgenic rice plant in which have been introduced sense orientation and tandemly connected relation to each other: (1) a P5CS gene of rice containing the sequence according to SEQ ID NO. 1, or a P5CS gene of *Arabidopsis thaliana* containing the sequence according to SEQ ID NO. 2, and then (2) the antisense gene of a ProDH gene of *Arabidopsis thaliana*, said ProDH gene containing the sequence according to SEQ ID NO. 3.
6. (Currently Amended) A vector in which have been introduced sense orientation and tandemly connected relation to each other: (1) a P5CS gene of rice containing the sequence according to SEQ ID NO. 1, or a P5CS gene of *Arabidopsis thaliana* containing the sequence according to SEQ ID NO. 2, and then (2) the antisense gene of a ProDH gene of *Arabidopsis thaliana*, said ProDH gene containing the sequence according to SEQ ID NO. 3.
7. (Currently Amended) A transgenic rice plant obtained by introducing said vector according to claim 6 into calli derived from a rice plant [[to]] growing said calli, and then regenerating a plant from said calli.
8. (Previously Presented) A transgenic rice plant obtained by introducing said vector according to claim 6 into a protoplast derived from a rice plant, growing said protoplast to obtain a colony, and then regenerating a plant from said colony.

9. (Previously Presented) A transgenic rice plant obtained by crossing a rice plant with a transgenic rice plant that was obtained by introducing therein said vector according to claim 6 by genetic engineering.

10-12. (Cancelled)

13. (Previously Presented) A production method of a transgenic rice plant, comprising: introducing said vector according to claim 6 into a calli derived from a rice plant by using *Agrobacterium tumefaciens*; growing said calli introduced with said vector; and then regenerating a plant from said grown calli.
14. (Previously Presented) A production method of a transgenic rice plant, comprising: introducing said vector according to claim 6 into a protoplast derived from a rice plant by electroporation; growing a colony of said protoplast; and regenerating a plant from said colony.
15. (Currently Amended) A production method of a transgenic rice plant, comprising: crossing a rice plant with a rice plant obtained by introducing therein said vector according to claim 6 by genetic engineering.

16-25. (Cancelled)

26. (Previously Presented) A protoplast collected from said rice plant according to claim 4.
27. (Previously Presented) A protoplast collected from said rice plant according to claim 5.
28. (Previously Presented) A protoplast collected from said rice plant according to claim 6.

29. (Previously Presented) A calli collected from said rice plant according to claim 4.
30. (Previously Presented) A calli collected from said rice plant according to claim 5.
31. (Previously Presented) A calli collected from said rice plant according to claim 6.
- 32-33. (Cancelled)
34. (Currently Amended) A seed of the rice plant according to claim 4 collected from said rice, wherein said seed comprises said introduced rice or Arabidopsis P5CS gene and said antisense ProDH gene.
35. (Currently Amended) A seed of the rice plant according to claim 5 collected from said rice, wherein said seed comprises said introduced rice or Arabidopsis P5CS gene and said antisense ProDH gene.
36. (Currently Amended) A seed of the rice plant according to claim 6 collected from said rice, wherein said seed comprises said vector.
37. (Currently Amended) A seed of the rice plant according to claim 7 collected from said rice, wherein said seed comprises said vector.
38. (Currently Amended) A seed of the rice plant according to claim 8 collected from said rice, wherein said seed comprises said vector.
39. (Currently Amended) A seed of the rice plant according to claim 9 collected from said rice, wherein said seed comprises said vector.